

FIG. 1 (PRIOR ART)

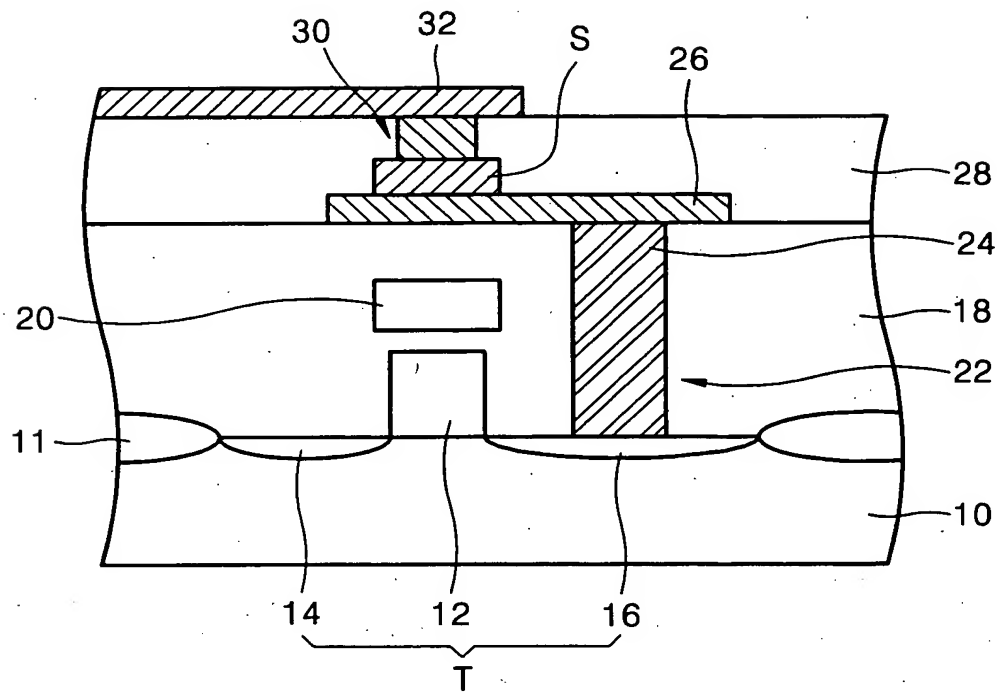


FIG. 2 (PRIOR ART)

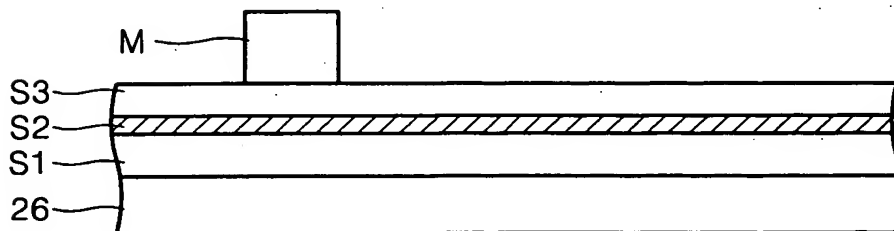


FIG. 3 (PRIOR ART)

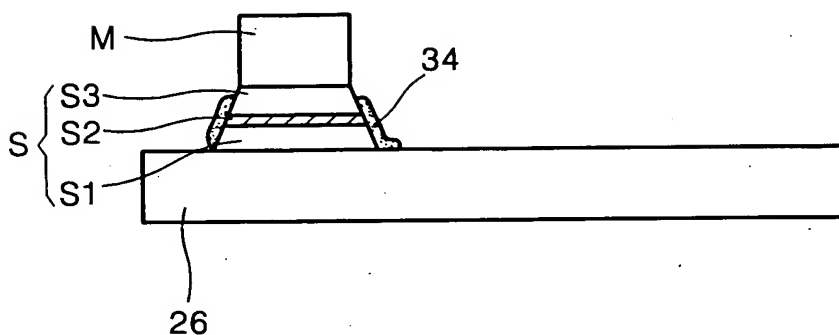


FIG. 4

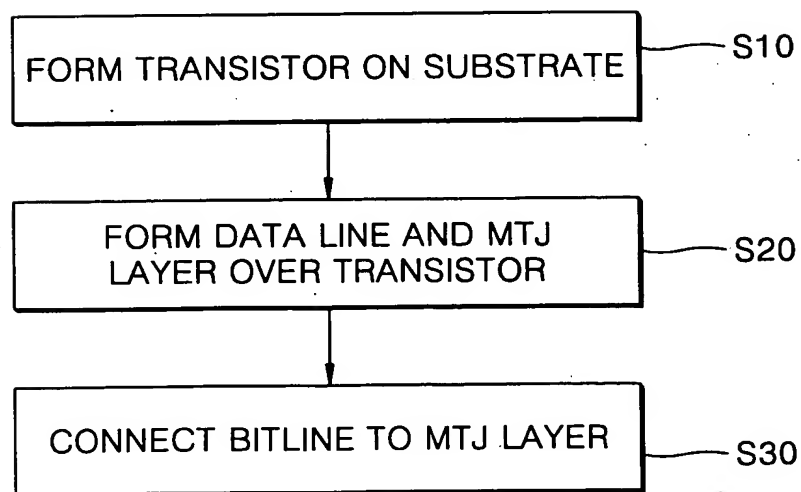


FIG. 5

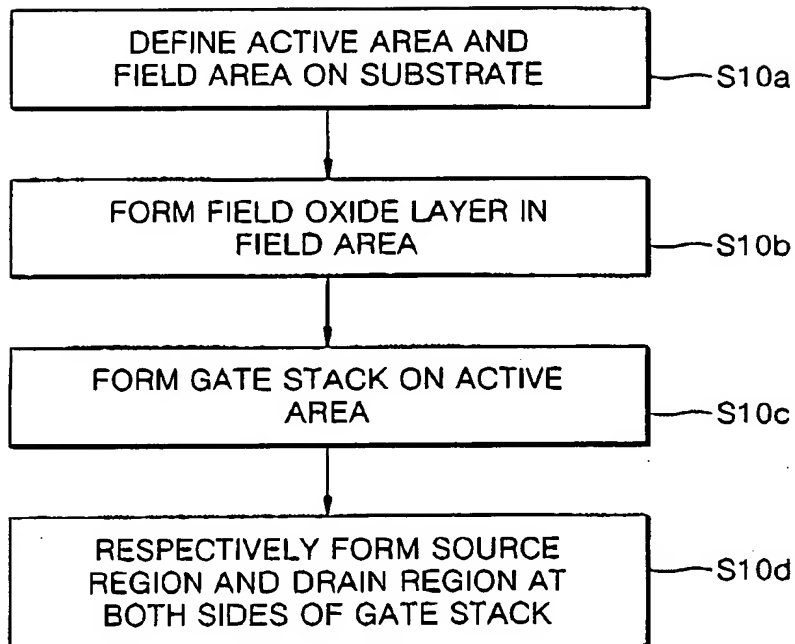


FIG. 6

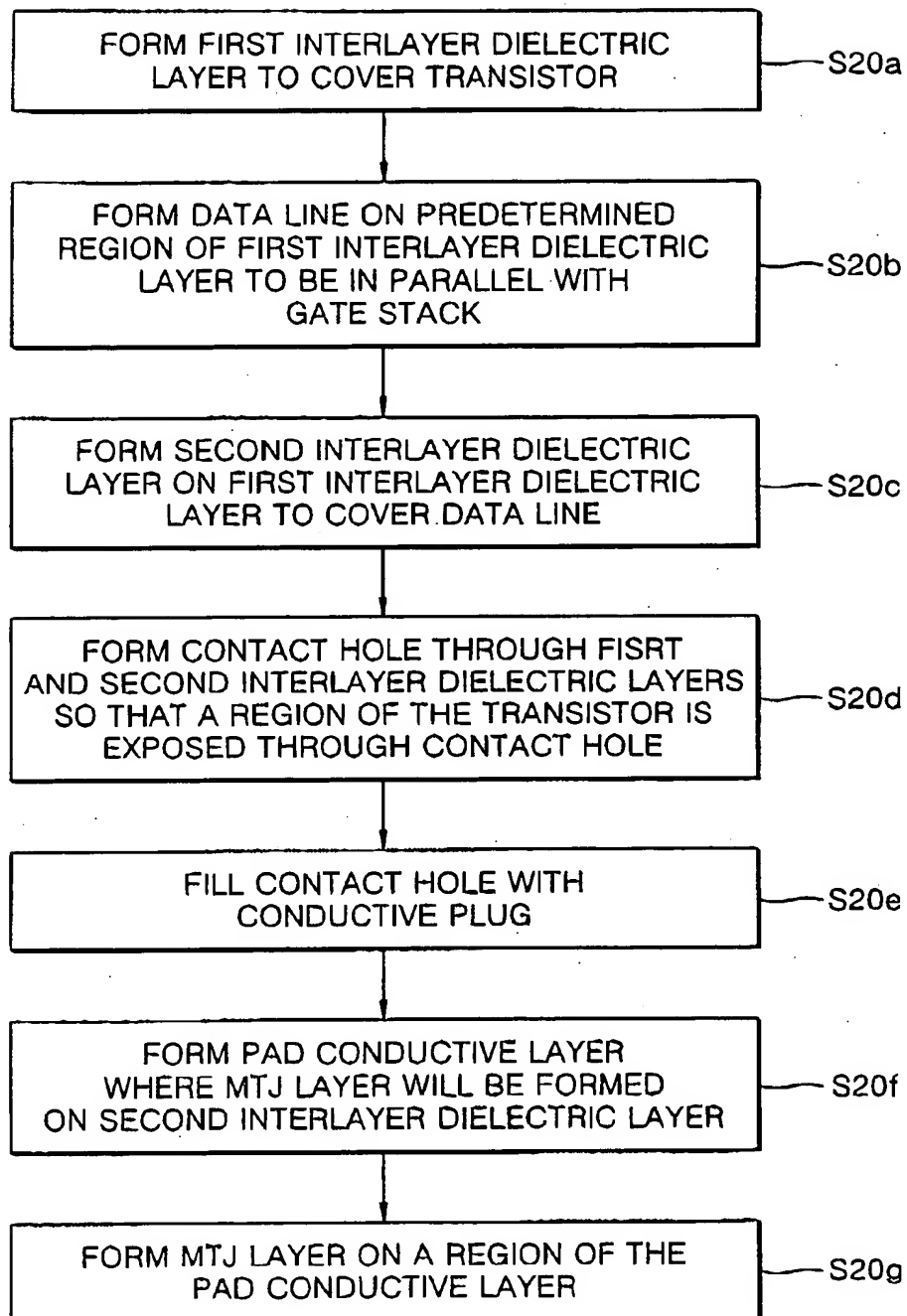


FIG. 7

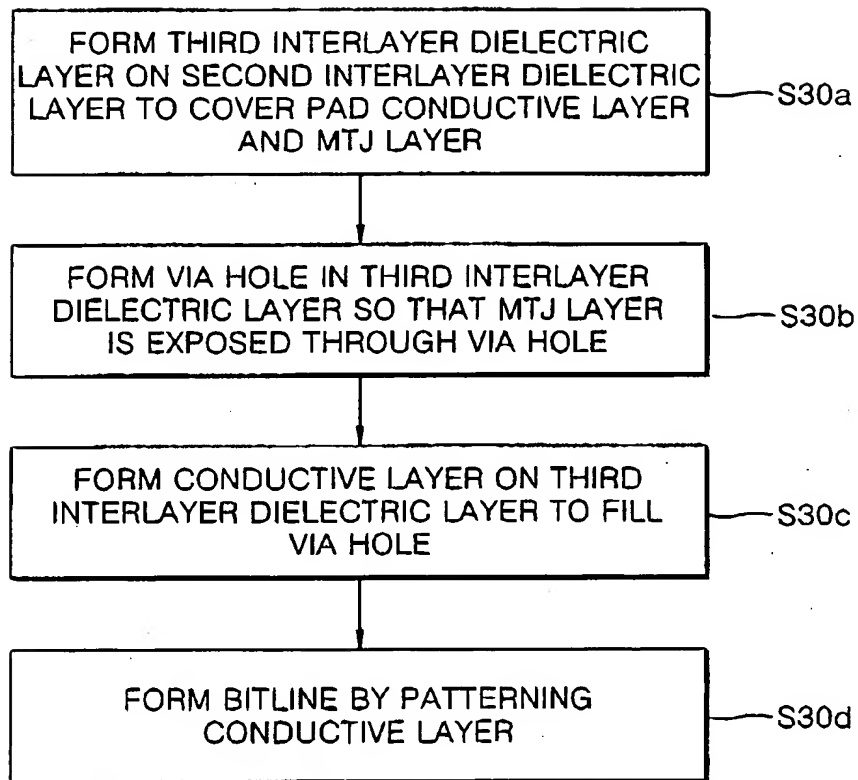


FIG. 8

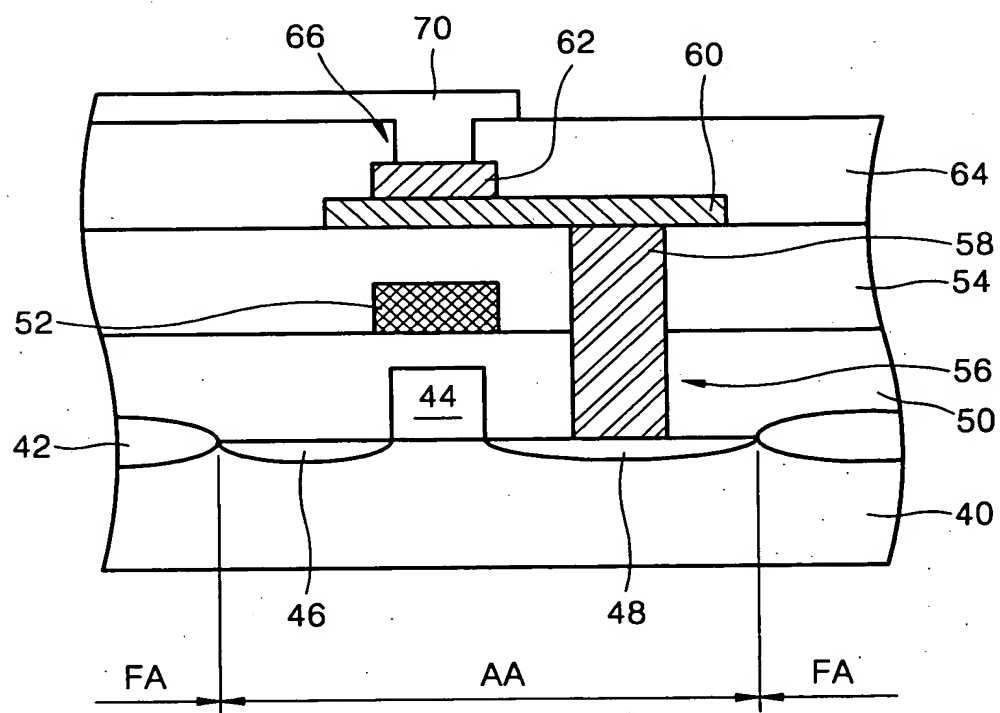


FIG. 9

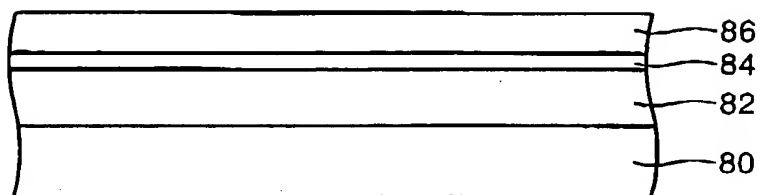


FIG. 10

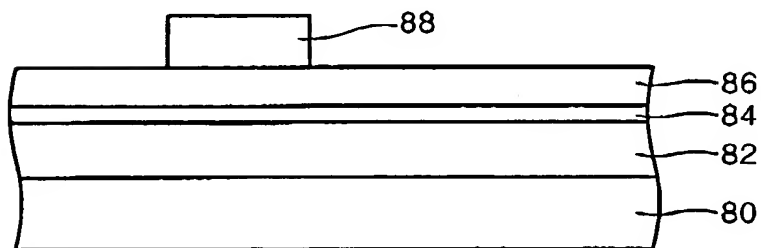
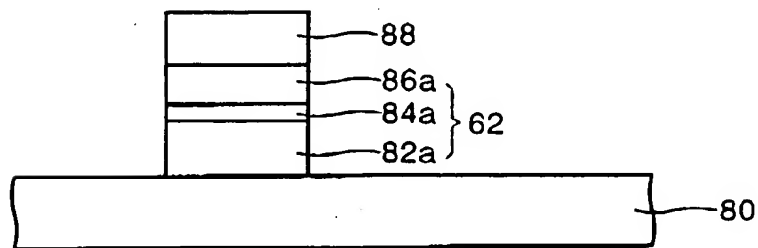
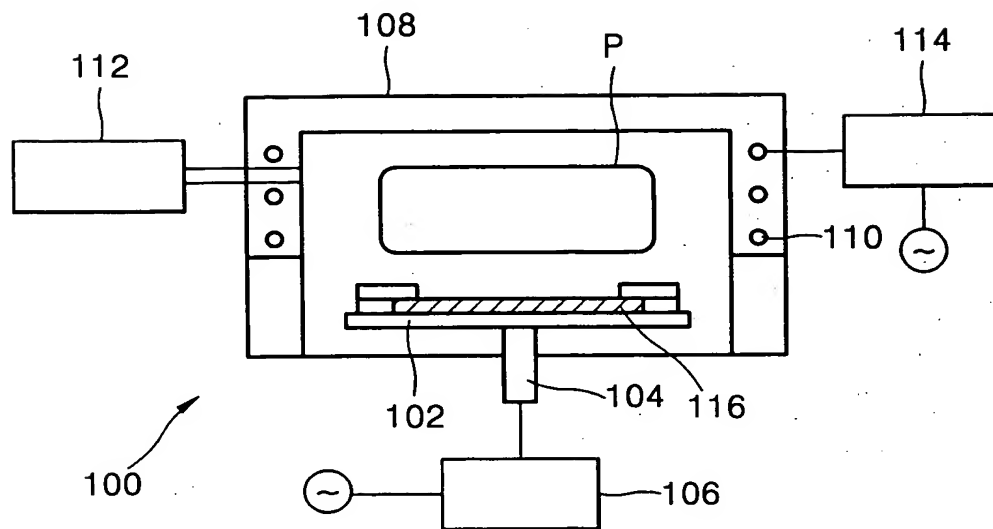


FIG. 11



# FIG. 12



# FIG. 13

124	Ta(Ru)
	NiFe
	CoFe
122	Al-O
120	SAF
	IrMn
	Ru or NiFe
118	Ta
	Ti / TiN



FIG. 14

